AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listing, of claims in the application:

Listing of Claims:

Claims 1-71 (cancelled without prejudice)

72. (new) A method for the production of carbon fibrils comprising passing a fibril-forming feedstock under temperature and pressure conditions suitable for formation of fibrils over a supported fibril-forming catalyst made by a process comprising the steps of:

(a) forming an aqueous solution of an iron compound or iron and molybdenum compounds;

(b) forming a slurry of catalyst support particles comprising alumina and/or magnesia particles;

(c) precipitating an iron compound or iron and molybdenum compounds onto said alumina and/or magnesia particles in the presence of an effective yield-enhancing amount of a carboxylate; and

(d) separating the so-impregnated support material from said slurry and further processing it to produce a supported fibril-forming catalyst.

73. (new) The method of claim 72, wherein the precipitated catalyst is washed with a solution of a carboxylate prior to further processing to produce said fibril-forming catalyst.

74. (new) The method of claim 72, wherein said carboxylate is introduced into the slurry of support material prior to introduction of the solution containing said iron compound or said iron and molybdenum compounds.

75. (new) The method of claim 72, wherein the carboxylate comprises an anion of a carboxylic acid and the solution from which the iron compound or the iron and molybdenum

compounds are precipitated onto said alumina and/or magnesia particles contains from about 0.04 to about 4 grams of the anion per gram of supported fibril-forming catalyst.

76. (new) The method of claim 72, wherein the said carboxylate is derived from formic acid or acetic acid.

77. (new) The method of claim 72, wherein the carboxylate comprises an anion of a carboxylic acid and the weight ratio of anion to iron or iron and molybdenum in the solution from which the iron compound or iron and molybdenum compounds is precipitated is in the range of 0.07 to 14.

78. (new) The method of claim 72, wherein the carboxylate is acetic acid, the fibril-forming metal compound includes an iron compound and the weight ratio of acetate to iron in the solution from which an iron compound is precipitated is in the range of 0.1 to 5.

79. (new) A carbon fibril material made by the method of claim 72.

80. (new) A carbon fibril material made by the method of claim 73.

81. (new) A carbon fibril material made by the method of claim 74.

82. (new) A carbon fibril material made by the method of claim 75.

83. (new) A carbon fibril material made by the method of claim 76.

84. (new) A carbon fibril material made by the method of claim 77.

85. (new) A carbon fibril material made by the method of claim 78.